

	Type	Ref #	Hits	Search Text	DBs
1	BRS	S1	12	(kawamoto same koji).in.	USPAT
2	BRS	S3	0	(kawamoto same koji).in. and lithium and battery	US-PGPUB; USPAT
3	BRS	S4	2	(kawamoto same koji).in. and battery	US-PGPUB; USPAT
4	BRS	S2	15	(kawamoto same koji).in.	US-PGPUB; USPAT
5	BRS	S5	192	429//322	US-PGPUB; USPAT
6	BRS	S6	11	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony)	US-PGPUB; USPAT
7	BRS	S7	1	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and (amorphous same carbon\$7)	US-PGPUB; USPAT
8	BRS	S8	2	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and amorphous	US-PGPUB; USPAT
9	BRS	S9	7	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite	US-PGPUB; USPAT

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10	BRS	S10	2	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and layer\$3	US-PGPUB; USPAT
11	BRS	S11	7	S5 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite	US-PGPUB; USPAT
12	BRS	S12	807	429//209	US-PGPUB; USPAT
13	BRS	S13	29	S12 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite	US-PGPUB; USPAT
14	BRS	S14	13	S12 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
15	BRS	S15	816	429//212	US-PGPUB; USPAT
16	BRS	S16	16	S15 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT

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17	BRS	S17	796	429//231.8	US-PGPUB; USPAT
18	BRS	S18	21	S17 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
19	BRS	S19	1333	429//231.95	US-PGPUB; USPAT
20	BRS	S20	52	S19 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
21	BRS	S21	0	S19 and anode and cathode and (releas\$4 same reciev\$4 same ion\$2) and (boron near carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
22	BRS	S22	0	S19 and anode and cathode and (releas\$4 same reciev\$4 same ion\$2) and (boron same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
23	BRS	S23	0	battery and ]anode and cathode and (releas\$4 same reciev\$4 same ion\$2) and (boron near carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
24	BRS	S24	0	battery and anode and cathode and (releas\$4 same reciev\$4 same ion\$2) and (boron near carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
25	BRS	S25	21	battery and anode and cathode and ion\$2 and (boron near carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT
26	BRS	S26	8	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous	US-PGPUB; USPAT

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27	BRS	S27	0	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and (tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (bipolar same electrode\$2)	US-PGPUB; USPAT
28	BRS	S28	0	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (bipolar same electrode\$2 same stack\$3)	US-PGPUB; USPAT
29	BRS	S29	0	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (bipolar same electrode\$2)	US-PGPUB; USPAT
30	BRS	S30	817	battery and anode and cathode and ion\$2 and (bipolar same electrode\$2)	US-PGPUB; USPAT
31	BRS	S31	66	(battery same lithium) and anode and cathode and ion\$2 and (bipolar same electrode\$2 same stack\$3)	US-PGPUB; USPAT
32	BRS	S32	24	(battery same lithium) and anode and cathode and ion\$2 and (bipolar same electrode\$2 same stack\$3) and (collector\$2 same anode same cathode same layer\$2)	US-PGPUB; USPAT
33	BRS	S33	716	(battery same lithium) and prismatic and sealed	US-PGPUB; USPAT
34	BRS	S34	54	(battery same lithium) and (prismatic same stack) and sealed	US-PGPUB; USPAT

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35	BRS	S35	22	S19 and anode and cathode and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel same electrolyte)	US-PGPUB; USPAT
36	BRS	S36	0	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel near electrolyte)	US-PGPUB; USPAT
37	BRS	S37	4	battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel same electrolyte)	US-PGPUB; USPAT
38	BRS	S38	1	"6200704".pn.	US-PGPUB; USPAT
39	BRS	S39	1	S38 and battery and anode and cathode and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel same electrolyte)	US-PGPUB; USPAT

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40	BRS	S40	1	S38 and thick\$5	US-PGPUB; USPAT
41	BRS	S41	0	S38 and anode same cathode same ion\$2 same (oxide or sulfide or salt or alloy) same boron same carbon\$7	US-PGPUB; USPAT
42	BRS	S42	0	S38 and anode same cathode same (oxide or sulfide or salt or alloy) same boron same carbon\$7	US-PGPUB; USPAT
43	BRS	S43	0	S38 and anode and cathode same ((oxide or sulfide or salt or alloy) same boron same carbon\$7)	US-PGPUB; USPAT
44	BRS	S44	0	S38 and anode and cathode and ((oxide or sulfide or salt or alloy) same boron same carbon\$7)	US-PGPUB; USPAT
45	BRS	S45	1	S38 and anode and cathode and (oxide or sulfide or salt or alloy) and (boron same carbon\$7)	US-PGPUB; USPAT
46	BRS	S46	44	S19 and (anode or (negative near electrode)) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel same electrolyte)	US-PGPUB; USPAT
47	BRS	S47	4	battery and (anode or (negative near electrode)) and ion\$2 and ((boron near dope\$3) same carbon\$7) and (sulfide or salt or oxide) and boron and carbon\$7 and ( tin or sn or ge or germanium or indium or lead or pb or sliver or ag or antimony) and graphite and amorphous and (gel same electrolyte)	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
48	BRS	S48	4374 6	S38 graphite and (germanium or ge or tin or sn or indium or silver or ag or antimony)	US-PGPUB; USPAT
49	BRS	S49	1	S38 and graphite and (germanium or ge or tin or sn or indium or silver or ag or antimony)	US-PGPUB; USPAT
50	BRS	S50	1	S38 and electrolyte	US-PGPUB; USPAT
51	BRS	S51	25	(anode same electrode) and battery and (anode near layer\$3) and (thick\$4 same layer) and (anode same (carbon\$7 or graphit\$3)) and (boron same carbon\$7)	US-PGPUB; USPAT
52	BRS	S52	25	(anode same electrode) and battery and (anode near layer\$3) and (thick\$4 same layer) and (anode same (carbon\$7 or graphit\$3)) and (boron same carbon\$7) and thick\$6	US-PGPUB; USPAT
53	BRS	S53	24	(anode same electrode) and battery and (anode near layer\$3) and (thick\$4 same layer) and (anode same (carbon\$7 or graphit\$3)) and (boron same carbon\$7) and thick\$6 and boron and graphit\$4 and carbon\$7 and layer\$3	US-PGPUB; USPAT
54	BRS	S54	1	"6890685".pn.	USPAT
55	BRS	S55	1	S54 and cathode and anode and metal and alloy and boron and carbon\$7 and thick\$4	USPAT
56	BRS	S56	1	S54 and boron and carbon\$7 and graphit\$4	USPAT
57	BRS	S57	1	10/820054	US-PGPUB
58	BRS	S58	1	S57 and (boron same carbon)	US-PGPUB
59	BRS	S59	1	S57 and boron and carbon\$7 and graphite	US-PGPUB
60	BRS	S60	1	S57 and boron and carbon\$7 and graphite and layer\$2	US-PGPUB



	Type	Ref #	Hits	Search Text	DBs
61	BRS	S61	111	battery and anode and thick\$4 and (carbon\$7 or graphit\$3) and (boron same carbon\$7) and thick\$6 and boron and graphit\$4 and carbon\$7 and layer\$3 and (sn or ag or pb)	US-PGPUB; USPAT
62	BRS	S62	117	battery and anode and thick\$4 and (carbon\$7 or graphit\$3) and (boron same carbon\$7) and thick\$6 and boron and graphit\$4 and carbon\$7 and (sn or ag or pb)	US-PGPUB; USPAT
63	BRS	S63	358	(battery same lithium) and (anode same doped)	US-PGPUB; USPAT
64	BRS	S64	12	(battery same lithium) and (anode same doped same boron)	US-PGPUB; USPAT
65	BRS	S65	11	(battery same lithium) and (anode same doped same boron) and carbon\$7	US-PGPUB; USPAT
66	BRS	S66	32	(battery same lithium) and ((ultra near thin) same anode\$2)	US-PGPUB; USPAT
67	BRS	S67	5	(battery same lithium) and ((ultra near thin) same anode\$2) and (carbon\$7 or graphit\$3) and (boron or sn)	US-PGPUB; USPAT
68	BRS	S68	4	(battery same lithium) and ((ultra near thin) same anode\$2) and (carbon\$7 or graphit\$3) and (boron or sn) and thick\$4	US-PGPUB; USPAT
69	BRS	S69	26	(battery same lithium) and ((boron near added) same (carbon or graphite))	US-PGPUB; USPAT
70	BRS	S70	23	(battery same lithium) and ((boron near added) same (carbon or graphite)) and thick\$4	US-PGPUB; USPAT
71	BRS	S71	377	(battery same lithium) and (thin near electrode\$2)	US-PGPUB; USPAT

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72	BRS	S72	356	(battery same lithium) and ((thin near electrode\$2)) and thick\$4	US-PGPUB; USPAT
73	BRS	S73	62	(battery same lithium) and ((thin near electrode\$2)) and thick\$4 and ultra	US-PGPUB; USPAT
74	BRS	S74	128	(lithium same battery) and (electrod\$2 same (carbon or graphite) same boron) and thick\$4 and (oxide or sulfide or salt or metal or alloy)	US-PGPUB; USPAT
75	BRS	S75	89	(lithium same battery) and (electrod\$2 same (carbon or graphite) same boron) and thick\$4 and (oxide or sulfide or salt or metal or alloy) and (electrolyte same (gel or polymer or solid))	US-PGPUB; USPAT
76	BRS	S76	79	(lithium same battery) and (electrod\$2 same (carbon or graphite) same boron) and thick\$4 and (oxide or sulfide or salt or metal or alloy) and (electrolyte same (gel or polymer or solid)) and (tin or sn or germanium or ge or indium or lead or pb or silver or ag or antimony)	US-PGPUB; USPAT
77	BRS	S77	79	(lithium same battery) and (electrod\$2 same (carbon or graphite) same boron) and thick\$4 and (oxide or sulfide or salt or metal or alloy) and (electrolyte same (gel or polymer or solid)) and (tin or sn or germanium or ge or indium or lead or pb or silver or ag or antimony)	US-PGPUB; USPAT

	Type	Ref #	Hits	Search Text	DBs
78	BRS	S78	4	((lithium near polymer) same batter\$3) and (negative same electrode\$2 same thick\$4) and (boron same (carbon or graphite))	US-PGPUB; USPAT
79	BRS	S79	4	((lithium near polymer) same batter\$3) and (negative same electrode\$2 same thick\$4) and (boron same (carbon or graphite)) and thick\$4	US-PGPUB; USPAT
80	BRS	S80	1	"20010018150"	US-PGPUB
81	BRS	S81	1	S80 and boron	US-PGPUB
82	BRS	S82	1	S80 and thick\$4	US-PGPUB
83	BRS	S83	1	"6890685".pn.	USPAT
84	BRS	S84	0	S83 and bipolar	USPAT
85	BRS	S85	1	S83 and 3a and 2a and 1a	USPAT
86	BRS	S86	1	S83 and 3a and 2a and 1a and collector\$2 and anode and cathode	USPAT
87	BRS	S87	1	10/820054	US-PGPUB
88	BRS	S88	1	S87 and (anode same cathode same collector)	US-PGPUB
89	BRS	S89	56	(lithium adj4 battery) same bipolar	US-PGPUB
90	BRS	S90	143	(lithium adj4 battery) same bipolar	US-PGPUB; USPAT
91	BRS	S91	1	S83 and lithium	USPAT
92	BRS	S92	0	S83 and gel	USPAT
93	BRS	S93	0	S83 and solid same electrolyte	USPAT
94	BRS	S94	0	S83 and solid	USPAT
95	BRS	S95	1	S83 and electrolyte	USPAT
96	BRS	S96	0	S83 and vehicle\$2	USPAT
97	BRS	S97	1	S83 and EV	USPAT
98	BRS	S98	0	S83 and (car\$2 or transport\$6)	USPAT
99	BRS	S99	1	S83 and application\$2	USPAT
100	BRS	S100	0	"200110018150"	US-PGPUB
101	BRS	S101	1	"20010018150"	US-PGPUB
102	BRS	S102	0	S101 and bipolar	US-PGPUB

	Type	Ref #	Hits	Search Text	DBs
103	BRS	S103	27	(bipolar same (lithium near ion) same battery)	US-PGPUB
104	BRS	S104	52	(bipolar same (lithium near ion) same battery)	US-PGPUB; USPAT
105	BRS	S105	1	"5595839".pn.	US-PGPUB; USPAT
106	BRS	S106	1	S105 and bipolar	US-PGPUB; USPAT
107	BRS	S107	0	S105 and bipolar and anode\$2 and cathode\$2 and collector\$2	US-PGPUB; USPAT
108	BRS	S108	1	S105 and bipolar and anode\$2 and cathode\$2	US-PGPUB; USPAT
109	BRS	S109	1	S105 and bipolar and anode\$2 and cathode\$2 and collect\$4	US-PGPUB; USPAT
110	BRS	S110	0	S105 and gel	US-PGPUB; USPAT
111	BRS	S111	84	((gel near electrolyte) same (lithium near ion) same battery)	US-PGPUB
112	BRS	S112	74	((gel near electrolyte) same (lithium near ion) same battery)	USPAT
113	BRS	S113	74	((gel near electrolyte) same (lithium near ion) same battery) and gel	USPAT
114	BRS	S114	46	((electric near vehicle) same (lithium near ion) same battery)	USPAT
115	BRS	S115	46	((electric near vehicle) same (lithium near ion) same battery) and (vehicle or car)	USPAT